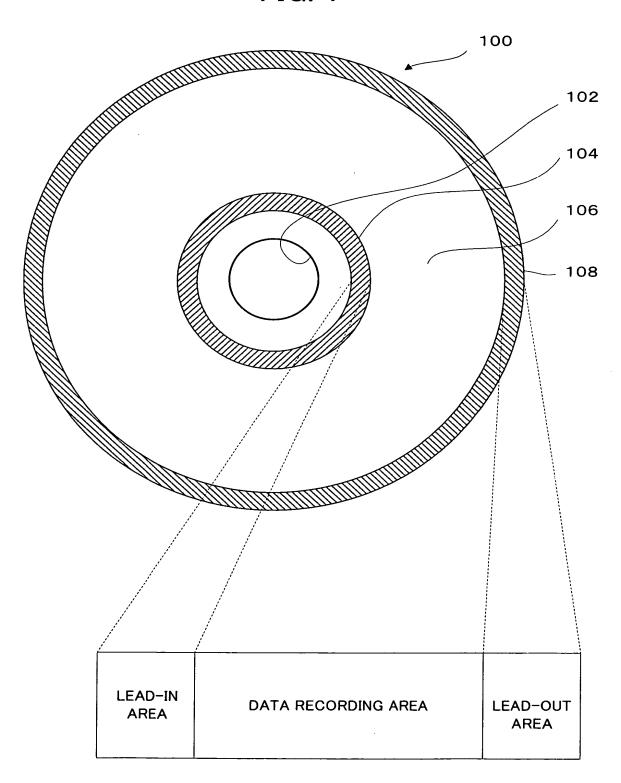
. 1

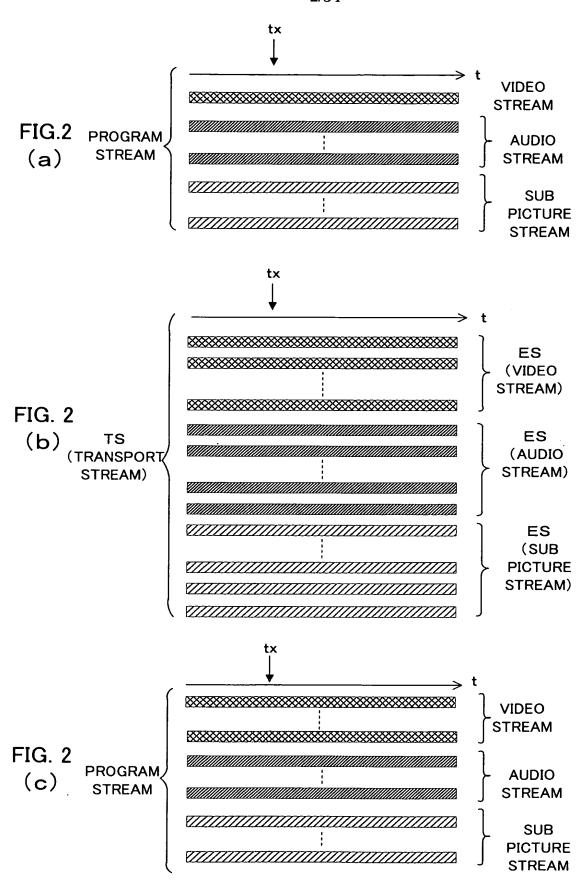
FIG. 1

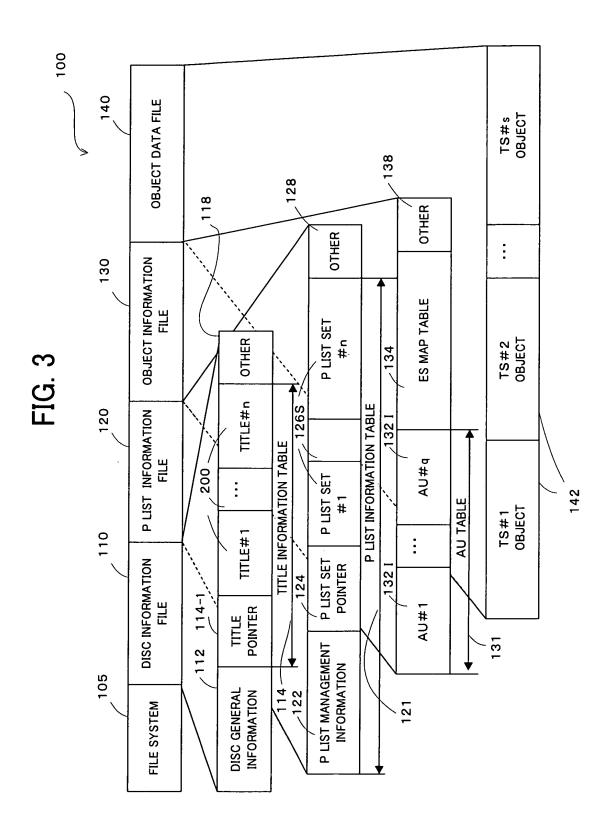


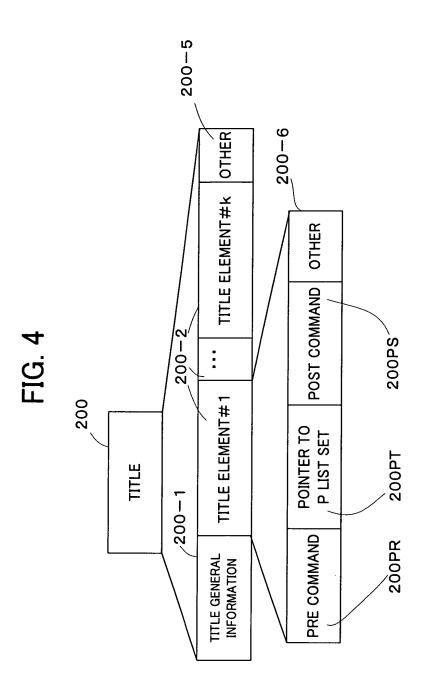
## DOCKET NO.: 8048-1135 INVENTOR: NOBLYUKI TAKAKUWA, ET AL. FILING DATE: DECEMBER 20, 2005

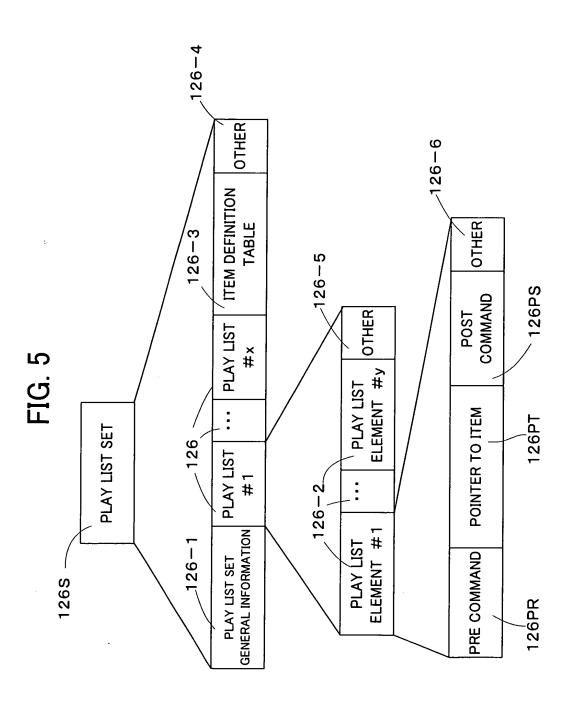
FILING DATE: DECEMBER 29, 2005

TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL









DOCKET NO.: 8048-1135
INVENTOR: NOBLYLKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

FIG. 6

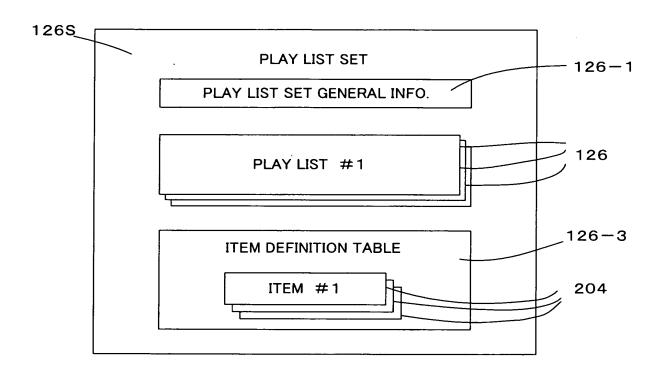
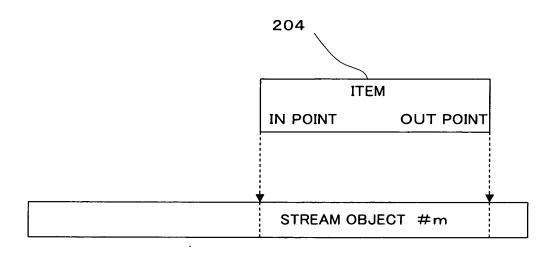


FIG. 7

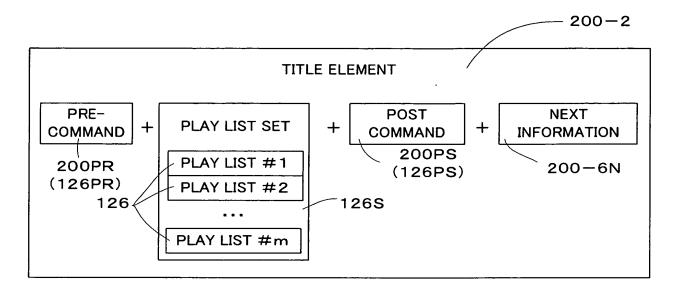


DOCKET NO.: 8048-1135

!NVENTOR: NOBUYUKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005

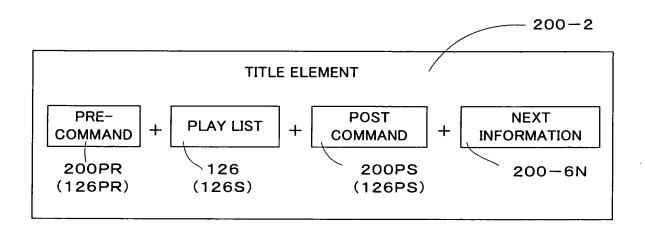
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

FIG. 8

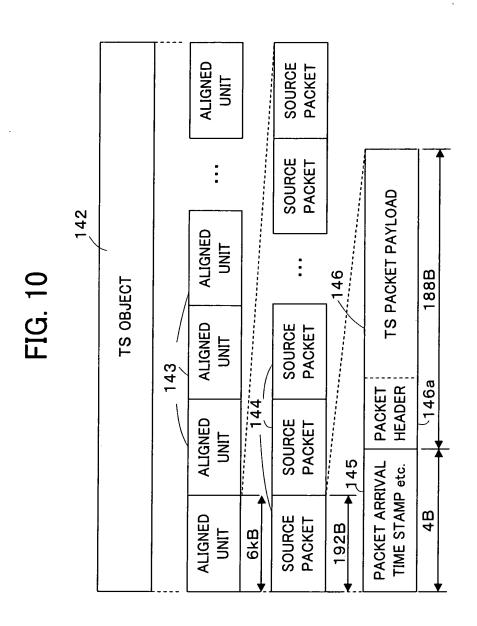


TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

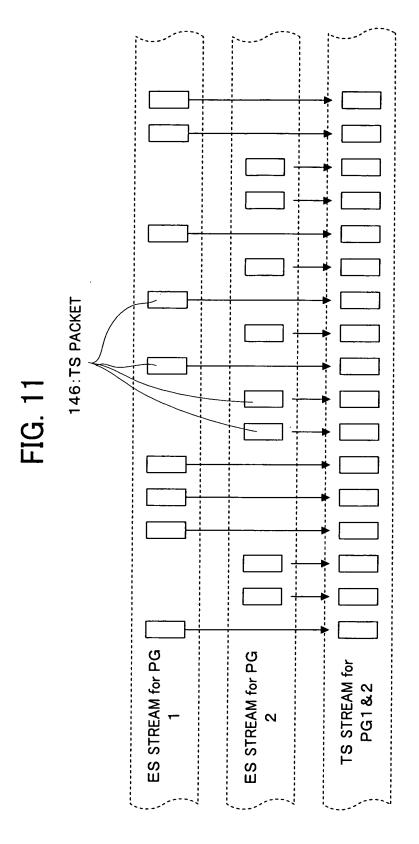
FIG. 9



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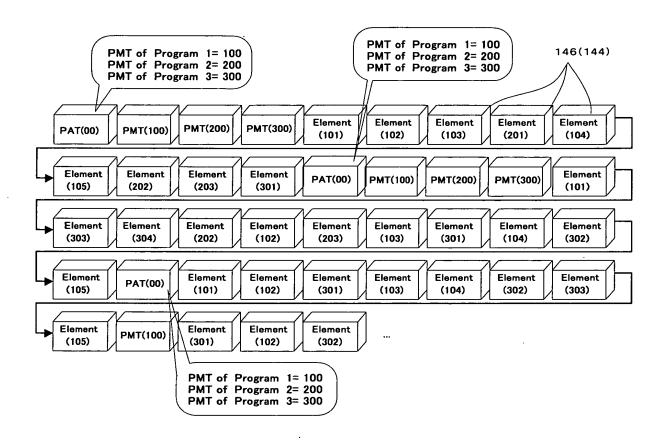
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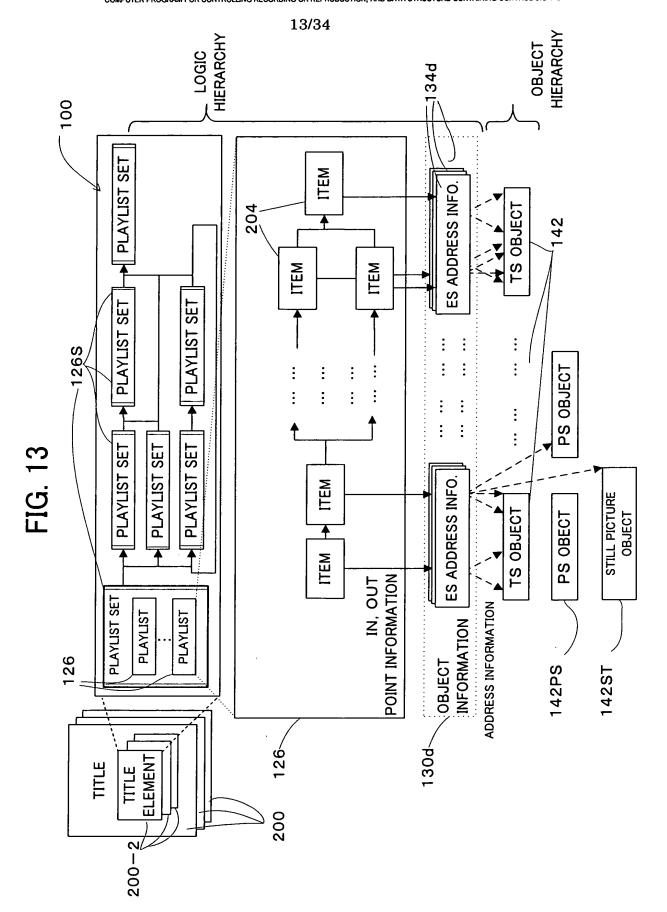
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD, COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

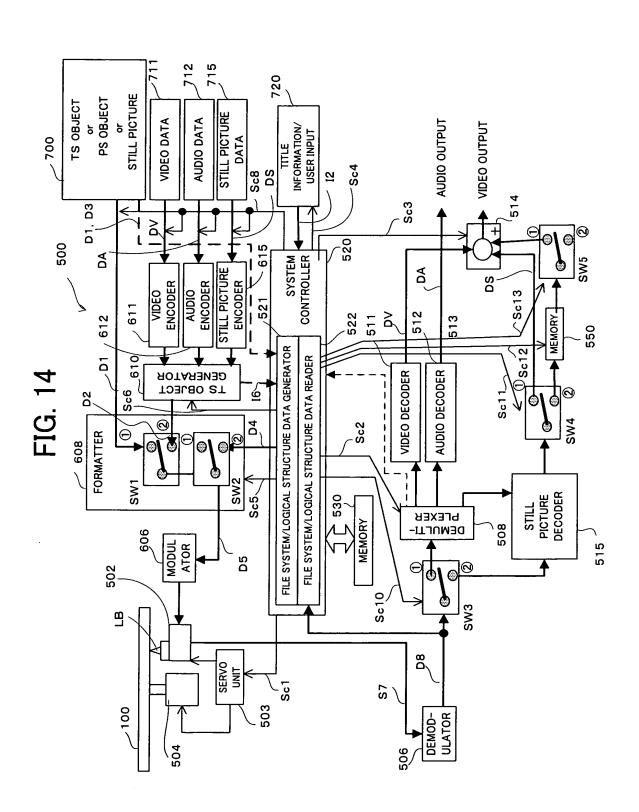
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## FIG. 12



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INVENTOR: NOBUYUKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
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INVENTOR: NOBLYLKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

FIG. 15

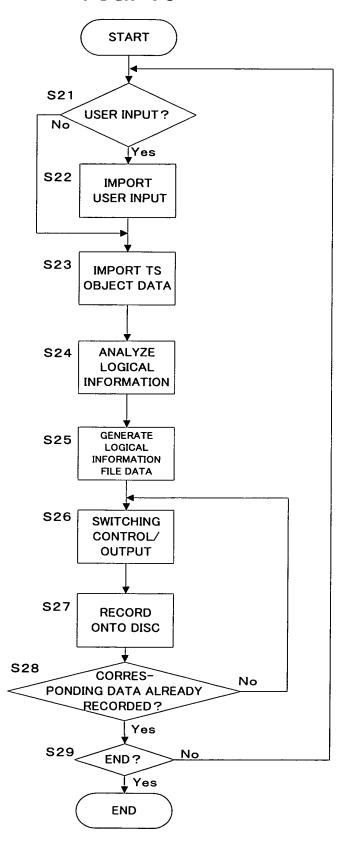
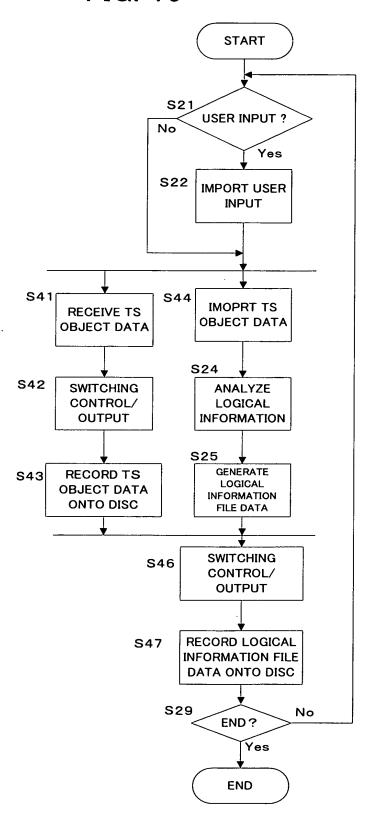
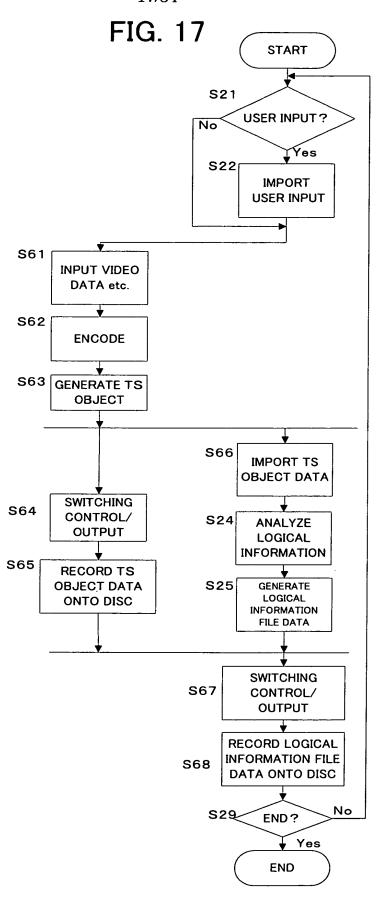


FIG. 16

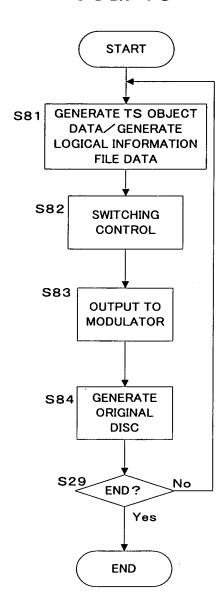


TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

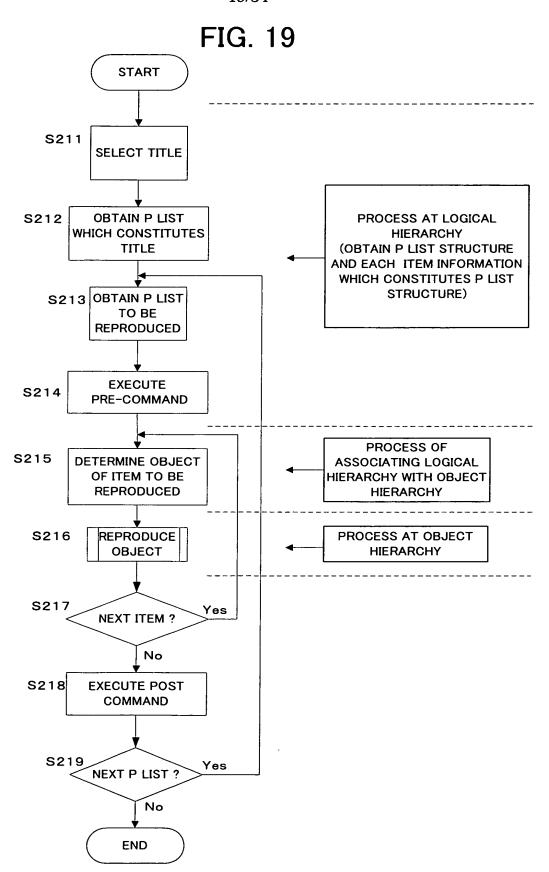


DOCKET NO.: 8048-1135
INVENTOR: NOBLYUKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

FIG. 18



TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD, COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL



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INVENTOR: NOBLYUKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

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# FIG. 20(a)

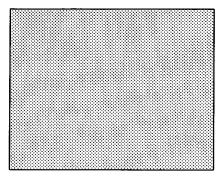
header	Size, Display Position etc. of Background Image etc.
Background Image Data	Image Data

# <sub>3 O 1</sub> FIG. 20(b)

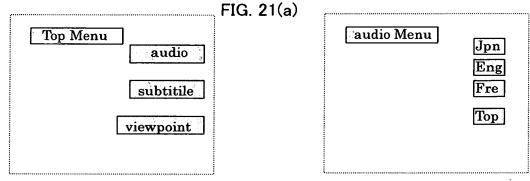
header		Quantity of But	tton F	Pages, Quanti	ty of Button Images, etc.	
Button	Page	Button Page #1		Button #1	Button Image No.	
Info.					Display Position	
		3 O 1 p			Near by Button Info.	
		301p			Button Command	
				Button #x	Button Image No.	
					Display Position	
				•	Near by Button Info.	
					Button Command	
		• • •				
		Button Page #m	n	Button #1	Button Image No.	
					Display Position	
		201			Near-by Button Info.	
		3 0'1 p	)		Button Command	
				• • •		
				Button #y	Button Image No.	
					Display Position	
					Near-by Button Info.	
					Button Command	
Button In	nage	Button Image Data #1				
		• • •				
		Button Image D	ata #	‡ n	•	

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INVENTOR: NOBUYUKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
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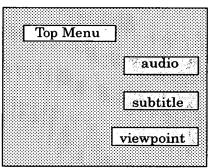


Background Image



Button Page #1

FIG. 21(b)



Button Page #2

FIG. 21(c)

Display on Screen

FIG. 21(d)

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INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

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FIG. 22

<del></del>			1			
header						
Button Info.	Page	Button	Page	Button #1	Button Image No. = #1	
into.		<b>.</b> "'.			Display Position	
	1 \			Near-by Button Info. = None		
		_ \			Button Command = None	
		301	р	Button #2	Button Image No. = #2	
					Display Position	
					Near-by Button Info. = Bottom: Button#3	
/				_	Button Command = Display Button Page#2 J	
l /				Button #3	Button Image No. = #3	
l /		ر ا		<b>T</b>	Display Position	
l /					Near-by Button Info. =Top:Button#2, Bottom:Button#4	
	/	ſ			Button Command	
				Button #4	Button Image No. = #4	
(					Display Position	
					Near-by Button Info. =Top:Button#3	
`					Button Command	
\	×		Page	Button #1	Button Image No. = #5	
\		#2			Display Position	
			Near-by Button Info. = None			
\	\	201			Button Command = None	
		301p	р	Button #2	Button Image No. = #6	
					Display Position	
	\				Near-by Button Info. =Bottom:Button#3	
		$\setminus$			Button Command = Set Audio to Japanese	
				Button #3	Button Image No. = #7	
					Display Position	
					Near-by Button Info. =Top:Button#2, Bottom:Button#4	
		\			Button Command=「Set Audio to English」	
				Button #4	Button Image No. = #8	
					Display Position	
					Near-by Button Info. =Top:Button#3, Bottom:Button#5	
					Button Command=[Set Audio to French]	
				Button #5	Button Image No. = #9	
					Display Position	
					Near-by Button Info. =Top:Button#4	
					Button Command=[Display Button Page#1]	
Button In	nage	Button Ima	age D	ata #1 =Image	Data of Top Menu	
		Button Image Data #2 =Image Data of 「Audio」				
		Button Image Data #3 =Image Data of 「Subtitle」				
	ļ	Button Image Data#4 =Image Data of [View point]				
	ı	Button Image Data #5 =Image Data of 「Audio Menu」				
		Button Image Data#6 =Image Data of 「Japanese」				
	1	Button Image Data #7 =Image Data of [English]				
	L	Button Image Data #8 =Image Data of French J				
		Button Image Data #9 =Image Data of Trench				

DOCKET NO.: 8048-1135
INVENTOR: NOBUYUKI TAKAKUWA, ET AL.
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COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

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# FIG. 23

## P List Info. table

ſ	T: 11 N		D	
	Field Name		Description Content	
Į	Plist General Info	).	P list size, total P list quantity, etc.	
	P List Pointer	P list #1 Pointer		P list #1 Info. Storage Address
	table	P list #2 Pointer	P list #2 Info. Storage Address	
		P list #1 Genera	l Info.	Item total quantity which
ŀ		*		constitutes P list #1=2, Sub-Item
				total quantity $= 1$ , Other Info.
$\subseteq$	P list#1 Info. table	P list#1	Item#1	Relevant AU number in AU table in
$\Lambda$		Item Info. table	Info.	Object Info. File, etc.
			Item#2	Relevant AU number in AU table in
11			Info.	Object Info. File, etc.
		P list#1	Sub-Item#	Type=menu during playback
I		Sub-Item Info.	1 Info.	content, Relevant AU number in
$\Lambda$		table		Object Info. File, etc
\ [		Other Info.		Others
V		P list #2 Genera	l Info.	Item total quantity which
)				constitutes P list #2=1, Sub-Item
	P list #2 Info. table			total quantity= 1 , Other Info.
		P list #2	Item#1	Relevant AU number in AU table in
		Item Info. table	Info.	Object Info. File, etc.
		P list#2	Sub-Item#	Type=menu during playback
		Sub-Item Info.	1 Info.	content, Relevant AU number in
		table		Object Info. File, etc
1		Other Info.		Others

### DOCKET NO.: 8048-1135 INVENTOR: NOBLYUKI TAKAKUWA, ET AL. FILING DATE: DECEMBER 29, 2005

TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

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## FIG. 24

1 3 1 **AU Table** Field Name Content AU table General Info. Quantity of AUs, Pointer to each AU, etc. AU #1 PU#1 ES\_Table Index #1 Stream information table Index No. = 1 ES\_Table Index #2 2 1 3 2 ES\_Table Index #1 Packet No. Discontinuity Info. 302I Packet No. Discontinuity Start Point, Off set Value, etc. Other Info. Information table Position, etc. 1 3 4 Information table Field Name Content Quantity of Indexes, etc. General Info. Index #1 ES\_PID value = 100 Type = Background Stream Information Table Address Info. Index #2  $ES_PID = 110$ 134d Type = Button Data Page Attribute = DTS Support Address Info Index #3  $ES_PID = 111$ Type = Button Data Page Attribute = No DTS Support Address Info Other Info. Other Info.

TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD, COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

FIG. 25

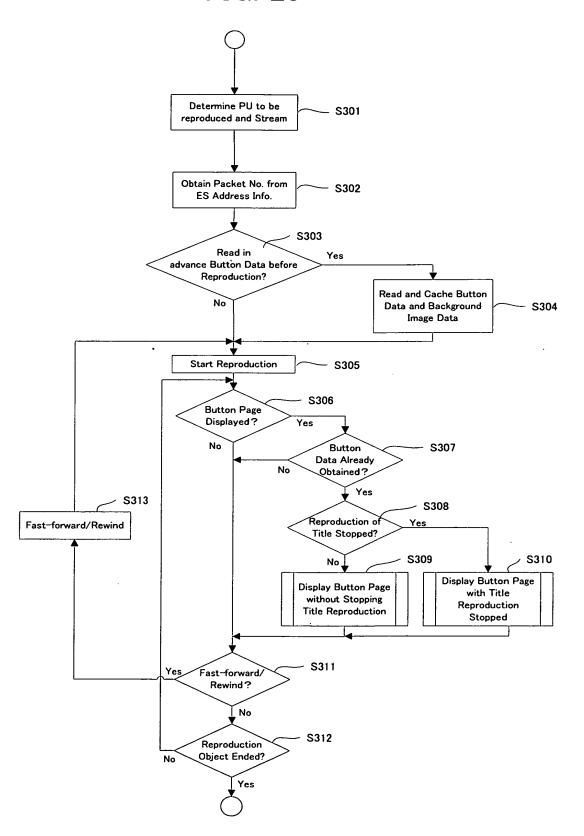
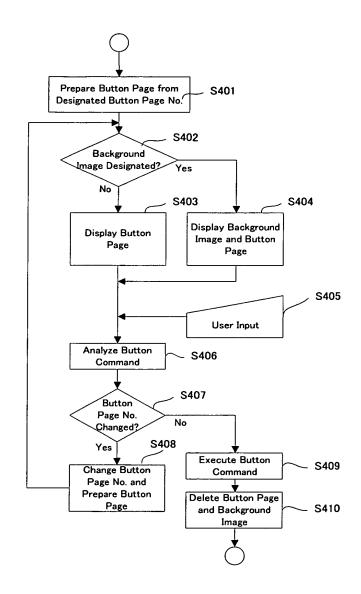
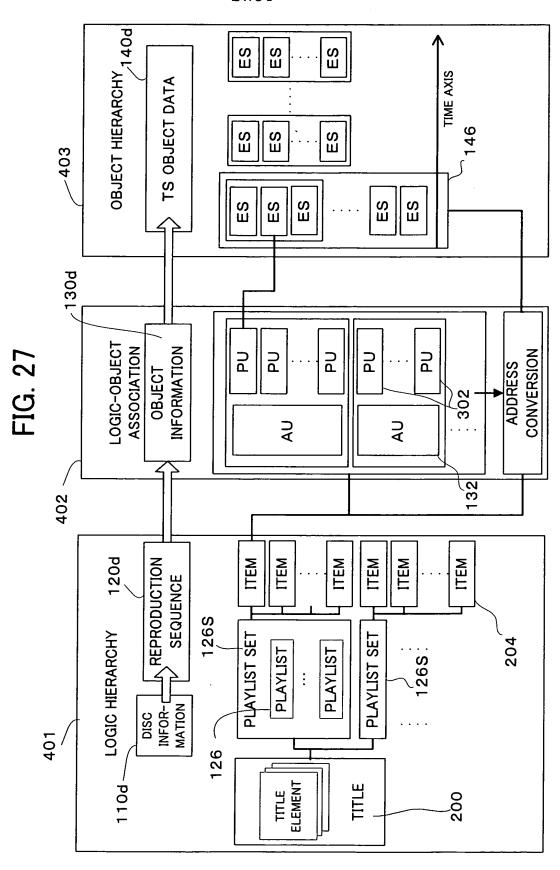


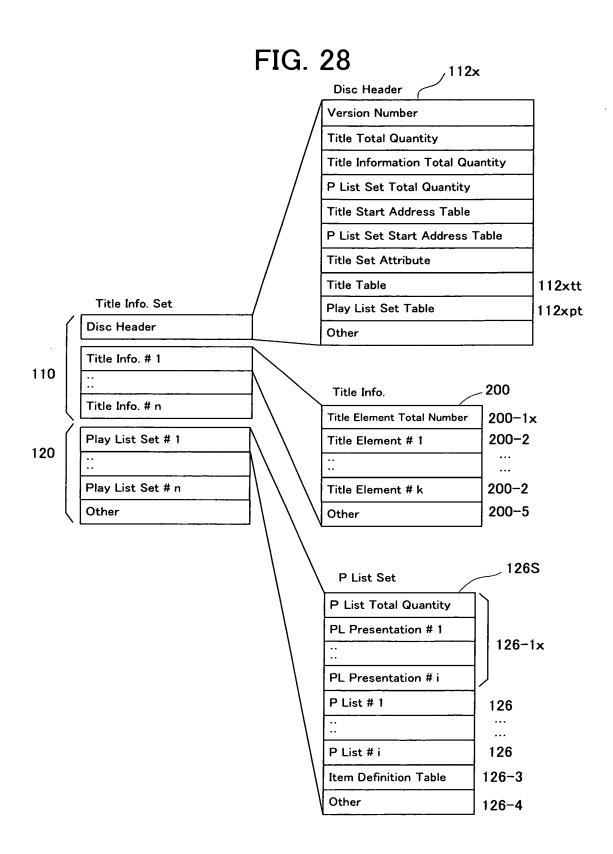
FIG. 26



DOCKET NO.: 8048-1135
INVENTOR: NOBLYUKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL



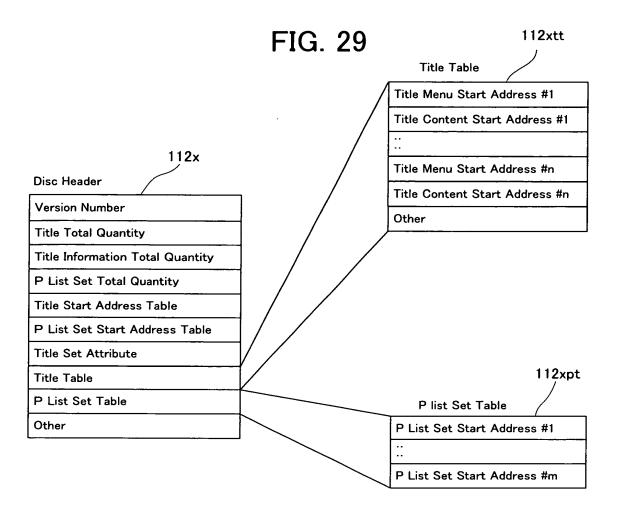
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION REPRODUCTION DEVICE AND METHOD, COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL



### DOCKET NO.: 8048-1135 INVENTOR: NOBUYUKI TAKAKUWA, ET AL. FILING DATE: DECEMBER 29, 2005

FILING DATE: DECEMBER 23, 2003

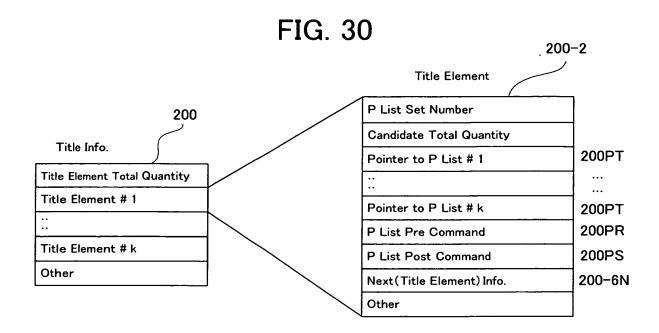
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL



### DOCKET NO.: 8048-1135 INVENTOR: NOBLYUKI TAKAKUWA, ET AL. FILING DATE: DECEMBER 29, 2005

FILING LIATE: DECEMBER 29, 2005

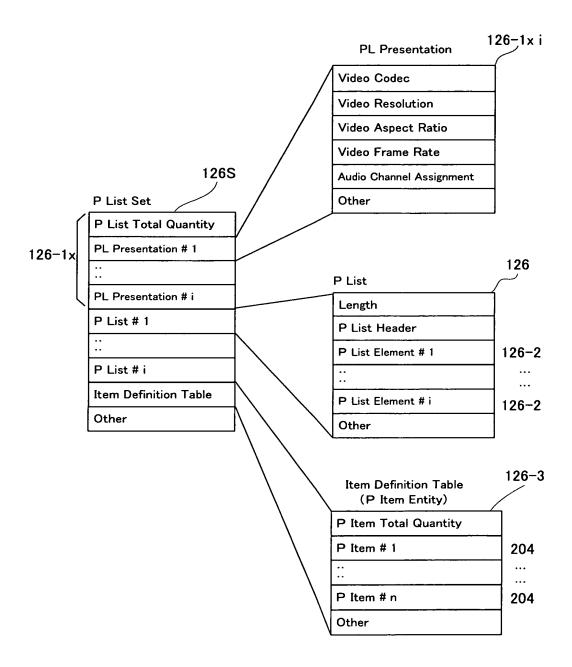
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL



FILING DATE: DECEMBER 29, 2005

TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

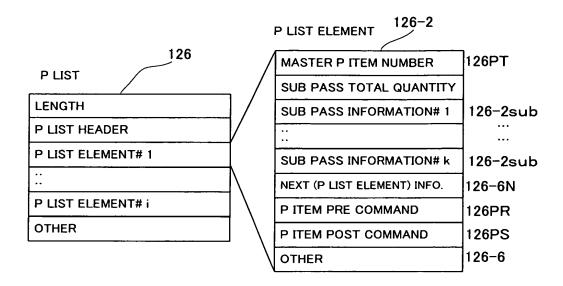
FIG. 31



DOCKET NO.: 8048-1135
INVENTOR: NOBUYUKI TAKAKUWA, ET AL.
FILING DATE: DECEMBER 29, 2005
TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

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## FIG. 32



### DOCKET NO.: 8048-1135 INVENTOR: NOBUYUKI TAKAKUWA, ET AL. FILING DATE: DECEMBER 29, 2005

TITLE: INFORMATION RECORDING MEDIUM, INFORMATION RECORDING DEVICE AND METHOD,
INFORMATION REPRODUCTION DEVICE AND METHOD, INFORMATION RECORDING/REPRODUCTION DEVICE AND METHOD,
COMPUTER PROGRAM FOR CONTROLLING RECORDING OR REPRODUCTION, AND DATA STRUCTURE CONTAINING CONTROL SIGNAL

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## FIG. 33

